CAESAR DIGITAL D/A CONVERTER NEST & WIRING LIST

COMPUTER IMAGE

WIRING LIST FOR

SYSTEM CAESAR

CARD TYPE DA-100B PART 1

CARD LOCATION J1 OVERALL X/Y

PIN	SIGNAL	FROM	TO	WIRE SIZE	WIRE TYPE	WIRE COLOR
1	DATA BIT 2048 OTB05	J40-L	J2-A	#18	BUSS	
A	" " " "					
2	DATA BIT 1024 OTB06	J40-M	J2-B			
B	" " " "					
3	DATA BIT 512 OTB07	J40-E	J2-C			
C	" " " "					
4	DATA BIT 256 OTB08	J40-F	J2-D			
D	" " " "					
5	DATA BIT 128 OTB09	J40-X	J2-E			
E	" " " "					
6	DATA BIT 64 OTB10	J40-Y	J2-F			
F	" " " "			#18	BUSS	
7						
H						
8	CHAN. 1 OUTPUT		J36-A	*	TERM. ANAL. GND	
J	" 4 "					
9						
K						
10						
L						
11						
M						
12						
N						
13						
P						
14						
R						
15						
S						
16						
T						
17						
U						
18						
V						
19	-15V	J35-B		#18	BUSS	
W	-15V			#18	BUSS	
20						
X						
21	DIGITAL GND	J35-D	GROUND TO CHASSIS	BRAID		
Y	" "					
22	" "					
Z	" "			BRAID		

NOTE: ALL WIRE #24 STRANDED WHITE UNLESS OTHERWISE SPECIFIED.
* INDICATES COAX

COMPUTER IMAGE

WIRING LIST FOR

SYSTEM CAESAR

CARD TYPE DA-100B PART 2

CARD LOCATION J1 OVERALL X/4

PIN	SIGNAL	FROM	TO	WIRE SIZE	WIRE TYPE	WIRE COLOR
23	+5V DIGITAL	J35-G		#18	BUSS	
A	" "			|	|	
24	+15V	J35-A		|	|	
B	+15V			#18	BUSS	
25						
C						
26						
D						
27	CHAN 2 OUTPUT		J36-B	* TERM. ANAL GND		
E	" " "					
28						
F						
29						
H						
30						
J						
31						
K						
32	ANALOG GND	J35-C	ISOLATE FROM CHASSIS	BRAID		
L	" "			|		
33	" "			BRAID		
M	" "					
34	ANALOG +5V	J35-F		#18	BUSS	
N	" "			|	|	
35	JAM TRANSFER STROBE	J40-H	J2-P	|	|	
P	" " "			#18	BUSS	
36	UPDATE CHAN 2	J40-B				
R	" " "					
37	UPDATE CHAN 1	J40-C				
S	" " "					
38	DATA BIT 1 OTB 16	J40-W	J2-T	# 18	BUSS	
T	" " " "			|	|	
39	DATA BIT 2 OTB 15	J40-V	J2-U	|	|	
U	" " " "			|	|	
40	DATA BIT 4 OTB 14	J40-BB	J2-V	|	|	
V	" " " "			|	|	
41	DATA BIT 8 OTB 13	J40-AA	J2-W	|	|	
W	" " " "			|	|	
42	DATA BIT 16 OTB 12	J40-T	J2-X	|	|	
X	" " " "			|	|	
43	DATA BIT 32 OTB 11	J40-S	J2-Y	|	|	
Y	" " " "			#18	BUSS	
~~44~~						
~~45~~						

NOTE: ALL WIRE #24 STRANDED WHITE UNLESS OTHERWISE SPECIFIED.
* INDICATES COAX

COMPUTER IMAGE

WIRING LIST FOR

SYSTEM CAESAR

CARD TYPE DA-100B PART 1

CARD LOCATION J2 X/Y POSITION.

PIN	SIGNAL	FROM	TO	WIRE SIZE	WIRE TYPE	WIRE COLOR
1	DATA BIT 2048 IN		J3-A	#18	BUSS	
A	" " " "	J1-1				
2	DATA BIT 1024 IN		J3-B			
B	" " " "	J1-2				
3	DATA BIT 512 IN		J3-C			
C	" " " "	J1-3				
4	DATA BIT 256 IN		J3-D			
D	" " " "	J1-4				
5	DATA BIT 128 IN		J3-E			
E	" " " "	J1-5				
6	DATA BIT 64 IN		J3-F			
F	" " " "	J1-6		#18	BUSS	
7						
H						
8	CHAN. 1 OUTPUT		J36-D	*	TERM. ANAL. GND	
J	" " "					
9						
K						
10						
L						
11						
M						
12						
N						
13						
P						
14						
R						
15						
S						
16						
T						
17						
U						
18						
V						
19	-15V			#18	BUSS	
W	-15V			#18	BUSS	
20						
X						
21	DIGITAL GND			BRAID		
Y	" "			|		
22	" "			BRAID		
Z	" "					

NOTE: ALL WIRE #24 STRANDED WHITE UNLESS OTHERWISE SPECIFIED.
* INDICATES COAX

COMPUTER IMAGE

WIRING LIST FOR

SYSTEM CAESAR

CARD TYPE DA-100B PART 2

CARD LOCATION J2 X/Y POSITION

PIN	SIGNAL	FROM	TO	WIRE SIZE	WIRE TYPE	WIRE COLOR
23	+5V DIGITAL			#18	BUSS	
A	" "					
24	+15V					
B	+15V			#18	BUSS	
25						
C						
26						
D						
27	CHAN 2 OUTPUT		J36-E	* TERM ANAL GND		
E	" " "					
28						
F						
29						
H						
30						
J						
31						
K						
X32	ANALOG GND			BRAID		
L	" "					
X33	" "					
M	" "			BRAID		
X34	ANALOG +5V			#18	BUSS	
N	" "					
X35	JAM TRANSFER STROBE		J3-P			
P	" " "	J1-35		#18	BUSS	
X36	UPDATE CHAN 2	J40-AM				
R	" " "					
X37	UPDATE CHAN 1	J40-AN				
S	" " "					
X38	DATA BIT 1 IN		J3-T	#18	BUSS	
T	" " " "	J1-38				
X39	DATA BIT 2 IN		J3-U			
U	" " " "	J1-39				
X40	DATA BIT 4 IN		J3-V			
V	" " " "	J1-40				
X41	DATA BIT 8 IN		J3-W			
W	" " " "	J1-41				
X42	DATA BIT 16 IN		J3-X			
X	" " " "	J1-42				
X43	DATA BIT 32 IN		J3-Y			
Y	" " " "	J1-43		#18	BUSS	
~~Z~~						
~~Z~~						

NOTE: ALL WIRE #24 STRANDED WHITE UNLESS OTHERWISE SPECIFIED.

* INDICATES COAX

COMPUTER IMAGE

WIRING LIST FOR

SYSTEM CAESAR

CARD TYPE DA-1008 PART 1

CARD LOCATION J3 DEPTH POS / SINE θ

PIN	SIGNAL	FROM	TO	WIRE SIZE	WIRE TYPE	WIRE COLOR
1	DATA BIT 2048 IN		J4-A	#18	BUSS	
A	" " " "	J2-1				
2	DATA BIT 1024 IN		J4-B			
B	" " " "	J2-2				
3	DATA BIT 512 IN		J4-C			
C	" " " "	J2-3				
4	DATA BIT 256 IN		J4-D			
D	" " " "	J2-4				
5	DATA BIT 128 IN		J4-E			
E	" " " "	J2-5				
6	DATA BIT 64 IN		J4-F			
F	" " " "	J2-6		#18	BUSS	
7						
H						
8	CHAN. 1 OUTPUT		J36-C	*	TERM. ANAL. GND	
J	" " "					
9						
K						
10						
L						
11						
M						
12						
N						
13						
P						
14						
R						
15						
S						
16						
T						
17						
U						
18						
V						
19	-15V			#18	BUSS	
W	-15V			#18	BUSS	
20						
X						
21	DIGITAL GND			BRAID		
Y	" "					
22	" "					
Z	" "			BRAID		

NOTE: ALL WIRE #24 STRANDED WHITE UNLESS OTHERWISE SPECIFIED.
* INDICATES COAX

COMPUTER IMAGE

WIRING LIST FOR

SYSTEM CAESAR

CARD TYPE DA-100B PART 2

CARD LOCATION J3 DEPTH POS/SINE θ

PIN	SIGNAL	FROM	TO	WIRE SIZE	WIRE TYPE	WIRE COLOR
23	+5V DIGITAL			#18	BUSS	
A	" "					
24	+15V					
B	+15V			#18	BUSS	
25						
C						
26						
D						
27	CHAN 2 OUTPUT		J36-H	*	TERM. ANAL. GND	
E	" " "					
28						
F						
29						
H						
30						
J						
31						
K						
X32	ANALOG GND			BRAID		
L	" "					
X33	" "					
M	" "			BRAID		
X34	ANALOG +5V			#18	BUSS	
N	" "					
X35	JAM TRANSFER STROBE		J4-P			
P	" " "	J1-35		#18	BUSS	
X36	UPDATE CHAN 2	J40-AF				
R	" " "					
X37	UPDATE CHAN 1	J40-AH				
S	" " "					
X38	DATA BIT 1 IN		J4-T	#18	BUSS	
T	" " " "	J2-38				
X39	DATA BIT 2 IN		J4-U			
U	" " " "	J2-39				
X40	DATA BIT 4 IN		J4-V			
V	" " " "	J2-40				
X41	DATA BIT 8 IN		J4-W			
W	" " " "	J2-41				
X42	DATA BIT 16 IN		J4-X			
X	" " " "	J2-42				
X43	DATA BIT 32 IN		J4-Y			
Y	" " " "	J2-43		#18	BUSS	
~~Z##~~						
~~Z~~						

NOTE: ALL WIRE #24 STRANDED WHITE UNLESS OTHERWISE SPECIFIED.
* INDICATES COAX

COMPUTER IMAGE

WIRING LIST FOR

SYSTEM CAESAR

CARD TYPE DA-100B PART 1

CARD LOCATION J4 COSINE θ / HOR. AXIS

PIN	SIGNAL	FROM	TO	WIRE SIZE	WIRE TYPE	WIRE COLOR
1	DATA BIT 2048 IN		J5-A	#18	BUSS	
A	" " " "	J3-1				
2	DATA BIT 1024 IN		J5-B			
B	" " " "	J3-2				
3	DATA BIT 512 IN		J5-C			
C	" " " "	J3-3				
4	DATA BIT 256 IN		J5-D			
D	" " " "	J3-4				
5	DATA BIT 128 IN		J5-E			
E	" " " "	J3-5				
6	DATA BIT 64 IN		J5-F			
F	" " " "	J3-6		#18	BUSS	
7						
H						
8	CHAN. 1 OUTPUT		J36-J	*	TERM. ANAL. GND	
J	" " "					
9						
K						
10						
L						
11						
M						
12						
N						
13						
P						
14						
R						
15						
S						
16						
T						
17						
U						
18						
V						
19	-15V			#18	BUSS	
W	-15V			#18	BUSS	
20						
X						
21	DIGITAL GND			BRAID		
Y	" "					
22	" "					
Z	" "			BRAID		

NOTE: ALL WIRE #24 STRANDED WHITE UNLESS OTHERWISE SPECIFIED.

* INDICATES COAX

COMPUTER IMAGE

WIRING LIST FOR

SYSTEM CAESAR

CARD TYPE DA-100B PART 2

CARD LOCATION J4 COSINE θ/HOR. AXIS

PIN	SIGNAL	FROM	TO	WIRE SIZE	WIRE TYPE	WIRE COLOR
23	+5V DIGITAL			#18	BUSS	
A	" "			|	|	
24	+15V					
B	+15V			#18	BUSS	
25						
C						
26						
D						
27	CHAN 2 OUTPUT		J36-K	* TERM. ANAL. GND		
E	" " "					
28						
F						
29						
H						
30						
J						
31						
K						
X32	ANALOG GND			BRAID		
L	" "			|		
X33	" "			BRAID		
M	" "					
X34	ANALOG +5V			#18	BUSS	
N	" "			|	|	
X35	JAM TRANSFER STROBE		J5-P			
P	" "	J3-35		#18	BUSS	
X36	UPDATE CHAN 2	J40-AR				
R	" " "					
X37	UPDATE CHAN 1	J40-AS				
S	" " "					
X38	DATA BIT 1 IN		J5-T	#18	BUSS	
T	" " " "	J3-38		|	|	
X39	DATA BIT 2 IN		J5-U	|	|	
U	" " " "	J3-39		|	|	
X40	DATA BIT 4 IN		J5-V	|	|	
V	" " " "	J3-40		|	|	
X41	DATA BIT 8 IN		J5-W	|	|	
W	" " " "	J3-41		|	|	
X42	DATA BIT 16 IN		J5-X	|	|	
X	" " " "	J3-42		|	|	
X43	DATA BIT 32 IN		J5-Y	|	|	
Y	" " " "	J3-43		#18	BUSS	
~~Z~~						
~~Z~~						

NOTE: ALL WIRE #24 STRANDED WHITE UNLESS OTHERWISE SPECIFIED.
* INDICATES COAX

COMPUTER IMAGE

WIRING LIST FOR

SYSTEM CAESAR

CARD TYPE DA-100B PART 1

CARD LOCATION J5 VERT AXIS / HOR. SIZE

PIN	SIGNAL	FROM	TO	WIRE SIZE	WIRE TYPE	WIRE COLOR
1	DATA BIT 2048 IN		J6-A	#18	BUSS	
A	" " " "	J4-1				
2	DATA BIT 1024 IN		J6-B			
B	" " " "	J4-2				
3	DATA BIT 512 IN		J6-C			
C	" " " "	J4-3				
4	DATA BIT 256 IN		J6-D			
D	" " " "	J4-4				
5	DATA BIT 128 IN		J6-E			
E	" " " "	J4-5				
6	DATA BIT 64 IN		J6-F			
F	" " " "	J4-6		#18	BUSS	
7						
H						
8	CHAN. 1 OUTPUT		J36-L	*	TERM. ANAL. GND	
J	" " "					
9						
K						
10						
L						
11						
M						
12						
N						
13						
P						
14						
R						
15						
S						
16						
T						
17						
U						
18						
V						
19	-15V			#18	BUSS	
W	-15V			#18	BUSS	
20						
X						
21	DIGITAL GND				BRAID	
Y	" "				|	
22	" "				|	
Z	" "				BRAID	

NOTE: ALL WIRE #24 STRANDED WHITE UNLESS OTHERWISE SPECIFIED.

* INDICATES COAX

COMPUTER IMAGE

WIRING LIST FOR

SYSTEM CAESAR

CARD TYPE DA-100B PART 2

CARD LOCATION J5 VERT AXIS/HOR. SIZE

PIN	SIGNAL	FROM	TO	WIRE SIZE	WIRE TYPE	WIRE COLOR
23	+5V DIGITAL			#18	BUSS	
A	" "			|	|	
24	+15V					
B	+15V			#18	BUSS	
25						
C						
26						
D						
27	CHAN 2 OUTPUT		BNC-1	* TERM. ANAL. GND INS. FROM CHASSIS.		
E	" " "					
28						
F						
29						
H						
30						
J						
~~31~~						
K						
~~32~~	ANALOG GND			BRAID		
L	" "			|		
~~33~~	" "			BRAID		
M	" "					
~~34~~	ANALOG +5V			#18	BUSS	
N	" "			|	|	
~~35~~	JAM TRANSFER STROBE		J6-P	#18	BUSS	
P	" " "	J4-35				
~~36~~	UPDATE CHAN 2	J40-AK				
R	" " "					
~~37~~	UPDATE CHAN 1	J40-AL				
S	" " "					
~~38~~	DATA BIT 1 IN		J6-F	#18	BUSS	
T	" " " "	J4-38		|	|	
~~39~~	DATA BIT 2 IN		J6-U	|	|	
U	" " " "	J4-39		|	|	
~~40~~	DATA BIT 4 IN		J6-V	|	|	
V	" " " "	J4-40		|	|	
~~41~~	DATA BIT 8 IN		J6-W	|	|	
W	" " " "	J4-41		|	|	
~~42~~	DATA BIT 16 IN		J6-X	|	|	
X	" " " "	J4-42		|	|	
~~43~~	DATA BIT 32 IN		J6-Y	|	|	
Y	" " " "	J4-43		#18	BUSS	
~~Z##~~						
~~##~~						

NOTE: ALL WIRE #24 STRANDED WHITE UNLESS OTHERWISE SPECIFIED.
* INDICATES COAX

COMPUTER IMAGE

WIRING LIST FOR

SYSTEM CAESAR

CARD TYPE DA-100B PART 1

CARD LOCATION J 6 VERT. SIZE/INTEN.

PIN	SIGNAL	FROM	TO	WIRE SIZE	WIRE TYPE	WIRE COLOR
1	DATA BIT 2048 IN		J7-A	#18	BUSS	
A	" " " "	J5-1				
2	DATA BIT 1024 IN		J7-B			
B	" " " "	J5-2				
3	DATA BIT 512 IN		J7-C			
C	" " " "	J5-3				
4	DATA BIT 256 IN		J7-D			
D	" " " "	J5-4				
5	DATA BIT 128 IN		J7-E			
E	" " " "	J5-5				
6	DATA BIT 64 IN		J7-F			
F	" " " "	J5-6		#18	BUSS	
7						
H						
8	CHAN. 1 OUTPUT		BNC-2	* TERM. ANAL. GND		
J	" 4 "			INS. FROM CHASSIS		
9						
K						
10						
L						
11						
M						
12						
N						
13						
P						
14						
R						
15						
S						
16						
T						
17						
U						
18						
V						
19	-15V			#18	BUSS	
W	-15V			#18	BUSS	
20						
X						
21	DIGITAL GND			BRAID		
Y	" "					
22	" "					
Z	" "			BRAID		

NOTE: ALL WIRE #24 STRANDED WHITE UNLESS OTHERWISE SPECIFIED.
* INDICATES COAX

COMPUTER IMAGE

WIRING LIST FOR

SYSTEM CAESAR

CARD TYPE DA-100B PART 2

CARD LOCATION J6 VERT. SIZE/INTEN.

PIN	SIGNAL	FROM	TO	WIRE SIZE	WIRE TYPE	WIRE COLOR
23	+5V DIGITAL			#18	BUSS	
A	" "					
24	+15V					
B	+15V			#18	BUSS	
25						
C						
26						
D						
27	CHAN 2 OUTPUT		J36-P	*	TERM. ANAL. GND	
E	" " "					
28						
F						
29						
H						
30						
J						
31						
K						
X32	ANALOG GND				BRAID	
L	" "					
X33	" "				BRAID	
M	" "					
X34	ANALOG +5V			#18	BUSS	
N	" "					
X35	JAM TRANSFER STROBE		J7-P	#18	BUSS	
P	" " "	J5-35				
X36	UPDATE CHAN 2	J40-AV				
R	" " "					
X37	UPDATE CHAN 1	J40-BD				
S	" " "					
X38	DATA BIT 1 IN		J7-T	#18	BUSS	
T	" " " "	J5-38				
X39	DATA BIT 2 IN		J7-U			
U	" " " "	J5-39				
X40	DATA BIT 4 IN		J7-V			
V	" " " "	J5-40				
X41	DATA BIT 8 IN		J7-W			
W	" " " "	J5-41				
X42	DATA BIT 16 IN		J7-X			
X	" " " "	J5-42				
X43	DATA BIT 32 IN		J7-Y			
Y	" " " "	J5-43		#18	BUSS	
~~Z44~~						
Z						

NOTE: ALL WIRE #24 STRANDED WHITE UNLESS OTHERWISE SPECIFIED.
* INDICATES COAX

COMPUTER IMAGE

WIRING LIST FOR

SYSTEM CAESAR

CARD TYPE DA-100B PART 1

CARD LOCATION J7 BLANKING START/STOP

PIN	SIGNAL	FROM	TO	WIRE SIZE	WIRE TYPE	WIRE COLOR
1	DATA BIT 2048 IN		J8 - A	#18	BUSS	
A	" " " "	J6 - 1				
2	DATA BIT 1024 IN		J8 - B			
B	" " " "	J6 - 2				
3	DATA BIT 512 IN		J8 - C			
C	" " " "	J6 - 3				
4	DATA BIT 256 IN		J8 - D			
D	" " " "	J6 - 4				
5	DATA BIT 128 IN		J8 - E			
E	" " " "	J6 - 5				
6	DATA BIT 64 IN		J8 - F			
F	" " " "	J6 - 6		#18	BUSS	
7						
H						
8	CHAN. 1 OUTPUT		J36 - R	*	TERM ANAL. GND.	
J	" " "					
9						
K						
10						
L						
11						
M						
12						
N						
13						
P						
14						
R						
15						
S						
16						
T						
17						
U						
18						
V						
19	-15V			#18	BUSS	
W	-15V			#18	BUSS	
20						
X						
21	DIGITAL GND			BRAID		
Y	" "				|	
22	" "					
Z	" "			BRAID		

NOTE: ALL WIRE #24 STRANDED WHITE UNLESS OTHERWISE SPECIFIED.
* INDICATES COAX

COMPUTER IMAGE

WIRING LIST FOR

SYSTEM CAESAR

CARD TYPE DA-100B PART 2

CARD LOCATION J7 BLANKING START/STOP

PIN	SIGNAL	FROM	TO	WIRE SIZE	WIRE TYPE	WIRE COLOR
23	+5V DIGITAL			#18	BUSS	
A	" "					
24	+15V					
B	+15V			#18	BUSS	
25						
C						
26						
D						
27	CHAN 2 OUTPUT		J36-S	*	TERM. ANAL. GND	
E	" " "					
28						
F						
29						
H						
30						
J						
31						
K						
X32	ANALOG GND				BRAID	
L	" "					
X33	" "				BRAID	
M	" "					
X34	ANALOG +5V			#18	BUSS	
N	" "					
X35	JAM TRANSFER STROBE		J8-P			
P	" " "	J6-35		#18	BUSS	
X36	UPDATE CHAN 2	J40-AW				
R	" " "					
X37	UPDATE CHAN 1	J40-BE				
S	" " "					
X38	DATA BIT 1 IN		J8-T	#18	BUSS	
T	" " " "	J6-38				
X39	DATA BIT 2 IN		J8-U			
U	" " " "	J6-39				
X40	DATA BIT 4 IN		J8-V			
V	" " " "	J6-40				
X41	DATA BIT 8 IN		J8-W			
W	" " " "	J6-41				
X42	DATA BIT 16 IN		J8-X			
X	" " " "	J6-42				
X43	DATA BIT 32 IN		J8-Y			
Y	" " " "	J6-43		#18	BUSS	
~~Z44~~						
~~Z~~						

NOTE: ALL WIRE #24 STRANDED WHITE UNLESS OTHERWISE SPECIFIED.

* INDICATES COAX

COMPUTER IMAGE

WIRING LIST FOR

SYSTEM CAESAR

CARD TYPE DA-10RB PART 1

CARD LOCATION UB WFG 1 (DEPTH) / WFG 2 (VERT.)

PIN	SIGNAL	FROM	TO	WIRE SIZE	WIRE TYPE	WIRE COLOR
1	DATA BIT 2048 IN		J9-A	#18	BUSS	
A	" " " "	J7-1				
2	DATA BIT 1024 IN		J9-B			
B	" " " "	J7-2				
3	DATA BIT 512 IN		J9-C			
C	" " " "	J7-3				
4	DATA BIT 256 IN		J9-D			
D	" " " "	J7-4				
5	DATA BIT 128 IN		J9-E			
E	" " " "	J7-5				
6	DATA BIT 64 IN		J9-F			
F	" " " "	J7-6		#18	BUSS	
7						
H						
8	CHAN. 1 OUTPUT		J36-T	* TERM. ANAL. GND		
J	" " "					
9						
K						
10						
L						
11						
M						
12						
N						
13						
P						
14						
R						
15						
S						
16						
T						
17						
U						
18						
V						
19	-15V			#18	BUSS	
W	-15V			#18	BUSS	
20						
X						
21	DIGITAL GND			BRAID		
Y	" "					
22	" "					
Z	" "			BRAID		

NOTE: ALL WIRE #24 STRANDED WHITE UNLESS OTHERWISE SPECIFIED.
* INDICATES COAX

COMPUTER IMAGE

WIRING LIST FOR

SYSTEM CAESAR

CARD TYPE DA-100B PART 2

CARD LOCATION J8 WFG1 (DEPTH) / WFG2 (VERT)

PIN	SIGNAL	FROM	TO	WIRE SIZE	WIRE TYPE	WIRE COLOR
23	+5V DIGITAL			#18	BUSS	
A	" "			|	|	
24	+15V			|	|	
B	+15V			#18	BUSS	
25						
C						
26						
D						
27	CHAN 2 OUTPUT		BNC-3	* TERM. ANAL. GND INS. FROM CHASSIS		
E	" " "					
28						
F						
29						
H						
30						
J						
31						
K						
X32	ANALOG GND			BRAID		
L	" "			|		
X33	" "			BRAID		
M	" "					
X34	ANALOG +5V			#18	BUSS	
N	" "			|	|	
X35	JAM TRANSFER STROBE		J9-P	|	|	
P	" " "	J7-35		#18	BUSS	
X36	UPDATE CHAN 2	J40-AX				
R	" " "					
X37	UPDATE CHAN 1	J40-BF				
S	" " "					
X38	DATA BIT 1 IN		J9-T	#18	BUSS	
T	" " " "	J7-38		|	|	
X39	DATA BIT 2 IN		J9-U	|	|	
U	" " " "	J7-39		|	|	
X40	DATA BIT 4 IN		J9-V	|	|	
V	" " " "	J7-40		|	|	
X41	DATA BIT 8 IN		J9-W	|	|	
W	" " " "	J7-41		|	|	
X42	DATA BIT 16 IN		J9-X	|	|	
X	" " " "	J7-42		|	|	
X43	DATA BIT 32 IN		J9-Y	|	|	
Y	" " " "	J7-43		#18	BUSS	
~~44~~						
~~Z~~						

NOTE: ALL WIRE #24 STRANDED WHITE UNLESS OTHERWISE SPECIFIED.
* INDICATES COAX

COMPUTER IMAGE

WIRING LIST FOR

SYSTEM CAESAR

CARD TYPE DA-10DB PART 1

CARD LOCATION J9 WFG 3 (HORIZ) / SPARE

PIN	SIGNAL	FROM	TO	WIRE SIZE	WIRE TYPE	WIRE COLOR
1	DATA BIT 2048 IN		J10 - A	#18	BUSS	
A	" " " "	JB- 1				
2	DATA BIT 1024 IN		J10 - B			
B	" " " "	JB- 2				
3	DATA BIT 512 IN		J10 - C			
C	" " " "	JB- 3				
4	DATA BIT 256 IN		J10 - D			
D	" " " "	JB- 4				
5	DATA BIT 128 IN		J10 - E			
E	" " " "	JB- 5				
6	DATA BIT 64 IN		J10 - F			
F	" " " "	JB- 6		#18	BUSS	
7						
H						
8	CHAN. 1 OUTPUT		BNC-4	* TERM. ANAL. GND INS. FROM CHASSIS		
J	" " "					
9						
K						
10						
L						
11						
M						
12						
N						
13						
P						
14						
R						
15						
S						
16						
T						
17						
U						
18						
V						
19	-15V			#18	BUSS	
W	-15V			#18	BUSS	
20						
X						
21	DIGITAL GND			BRAID		
Y	" "					
22	" "					
Z	" "			BRAID		

NOTE: ALL WIRE #24 STRANDED WHITE UNLESS OTHERWISE SPECIFIED.
* INDICATES COAX

COMPUTER IMAGE

WIRING LIST FOR

SYSTEM CAESAR

CARD TYPE DA-100B PART 2

CARD LOCATION J9 WFG 3 (HORIZ) / SPARE

PIN	SIGNAL	FROM	TO	WIRE SIZE	WIRE TYPE	WIRE COLOR
23	+5V DIGITAL			#18	BUSS	
A	" "			|	|	
24	+15V					
B	+15V			#18	BUSS	
25						
C						
26						
D						
27	CHAN 2 OUTPUT		J36-W	*	TERM. ANAL. GND	
E	" " "					
28						
F						
29						
H						
30						
J						
31						
K						
X32	ANALOG GND				BRAID	
L	" "				|	
X33	" "				BRAID	
M	" "					
X34	ANALOG +5V			#18	BUSS	
N	" "			|	|	
X35	JAM TRANSFER STROBE		J10-P	|	|	
P	" " "	J8-35		#18	BUSS	
X36	UPDATE CHAN 2	J40-AY				
R	" " "					
X37	UPDATE CHAN 1	J40-BH				
S	" " "					
X38	DATA BIT 1 IN		J10-F	#18	BUSS	
T	" " " "	J8-38		|	|	
X39	DATA BIT 2 IN		J10-U	|	|	
U	" " " "	J8-39		|	|	
X40	DATA BIT 4 IN		J10-V	|	|	
V	" " " "	J8-40		|	|	
X41	DATA BIT 8 IN		J10-W	|	|	
W	" " " "	J8-41		|	|	
X42	DATA BIT 16 IN		J10-X	|	|	
X	" " " "	J8-42		|	|	
X43	DATA BIT 32 IN		J10-Y	|	|	
Y	" " " "	J8-43		#18	BUSS	
~~X44~~						
~~Z~~						

NOTE: ALL WIRE #24 STRANDED WHITE UNLESS OTHERWISE SPECIFIED.
* INDICATES COAX

COMPUTER IMAGE

WIRING LIST FOR

SYSTEM CAESAR

CARD TYPE DA-100B PART 1

CARD LOCATION J10 RED 1/GRN 1

PIN	SIGNAL	FROM	TO	WIRE SIZE	WIRE TYPE	WIRE COLOR
1	DATA BIT 2048 IN		J11-A	#18	BUSS	
A	" " " "	J9-1				
2	DATA BIT 1024 IN		J11-B			
B	" " " "	J9-2				
3	DATA BIT 512 IN		J11-C			
C	" " " "	J9-3				
4	DATA BIT 256 IN		J11-D			
D	" " " "	J9-4				
5	DATA BIT 128 IN		J11-E			
E	" " " "	J9-5				
6	DATA BIT 64 IN		J11-F			
F	" " " "	J9-6		#18	BUSS	
7						
H						
8	CHAN. 1 OUTPUT		J37-A	*	TERM. ANAL. GND.	
J	" " "					
9						
K						
10						
L						
11						
M						
12						
N						
13						
P						
14						
R						
15						
S						
16						
T						
17						
U						
18						
V						
19	-15V			#18	BUSS	
W	-15V			#18	BUSS	
20						
X						
21	DIGITAL GND			BRAID		
Y	" "				|	
22	" "					
Z	" "			BRAID		

NOTE: ALL WIRE #24 STRANDED WHITE UNLESS OTHERWISE SPECIFIED.
* INDICATES COAX

COMPUTER IMAGE

WIRING LIST FOR

SYSTEM CAESAR

CARD TYPE DA-100A PART 2

CARD LOCATION J10 RED 1 / GRN 1

PIN	SIGNAL	FROM	TO	WIRE SIZE	WIRE TYPE	WIRE COLOR
23	+5V DIGITAL			#18	BUSS	
A	" "					
24	+15V			#18	BUSS	
B	+15V					
25						
C						
26						
D						
27	CHAN 2 OUTPUT		J37-B	*	TERM. ANAL. GND	
E	" " "					
28						
F						
29						
H						
30						
J						
31						
K						
X32	ANALOG GND				BRAID	
L	" "					
X33	" "					
M	" "				BRAID	
X34	ANALOG +5V			#18	BUSS	
N	" "					
X35	JAM TRANSFER STROBE		J11-P			
P	" "	J9-35		#18	BUSS	
X36	UPDATE CHAN 2	J40-BJ				
R	" " "					
X37	UPDATE CHAN 1	J40-BK				
S	" " "					
X38	DATA BIT 1 IN		J11-F	#18	BUSS	
T	" " " "	J9-38				
X39	DATA BIT 2 IN		J11-J			
U	" " " "	J9-39				
X40	DATA BIT 4 IN		J11-V			
V	" " " "	J9-40				
X41	DATA BIT 8 IN		J11-W			
W	" " " "	J9-41				
X42	DATA BIT 16 IN		J11-X			
X	" " " "	J9-42				
X43	DATA BIT 32 IN		J11-Y			
Y	" " " "	J9-43		#18	BUSS	
~~Z##~~						
~~Z~~						

NOTE: ALL WIRE #24 STRANDED WHITE UNLESS OTHERWISE SPECIFIED.

* INDICATES COAX

COMPUTER IMAGE

WIRING LIST FOR

SYSTEM CAESAR

CARD TYPE DA-100B PART 1

CARD LOCATION J11 BLUE 1 / RED 2

PIN	SIGNAL	FROM	TO	WIRE SIZE	WIRE TYPE	WIRE COLOR
1	DATA BIT 2048 IN		J12-A	#18	BUSS	
A	" " " "	J10-1				
2	DATA BIT 1024 IN		J12-B			
B	" " " "	J10-2				
3	DATA BIT 512 IN		J12-C			
C	" " " "	J10-3				
4	DATA BIT 256 IN		J12-D			
D	" " " "	J10-4				
5	DATA BIT 128 IN		J12-E			
E	" " " "	J10-5				
6	DATA BIT 64 IN		J12-F			
F	" " " "	J10-6		#18	BUSS	
7						
H						
8	CHAN. 1 OUTPUT		J37-C	*	TERM ANAL. GND	
J	" 4 "					
9						
K						
10						
L						
11						
M						
12						
N						
13						
P						
14						
R						
15						
S						
16						
T						
17						
U						
18						
V						
19	-15V			#18	BUSS	
W	-15V			#18	BUSS	
20						
X						
21	DIGITAL GND			BRAID		
Y	" "			|		
22	" "					
Z	" "			BRAID		

NOTE: ALL WIRE #24 STRANDED WHITE UNLESS OTHERWISE SPECIFIED.

* INDICATES COAX

COMPUTER IMAGE

WIRING LIST FOR

SYSTEM CAESAR

CARD TYPE DA-100B PART 2

CARD LOCATION J11 BLUE1 / RED 2

PIN	SIGNAL	FROM	TO	WIRE SIZE	WIRE TYPE	WIRE COLOR
23	+5V DIGITAL			#18	BUSS	
A	" "			|	|	
24	+15V					
B	+15V			#18	BUSS	
25						
C						
26						
D						
27	CHAN 2 OUTPUT		J37-D	*	TERM. ANAL. GND	
E	" " "					
28						
F						
29						
H						
30						
J						
31						
K						
X32	ANALOG GND				BRAID	
L	" "				|	
X33	" "				BRAID	
M	" "					
X34	ANALOG +5V			#18	BUSS	
N	" "			|	|	
X35	JAM TRANSFER STROBE		J12-P			
P	" "	J10-35		#18	BUSS	
X36	UPDATE CHAN 2	J40-BT				
R	" " "					
X37	UPDATE CHAN 1	J40-BU				
S	" " "					
X38	DATA BIT 1 IN		J12-T	#18	BUSS	
T	" " " "	J10-38		|	|	
X39	DATA BIT 2 IN		J12-U	|	|	
U	" " " "	J10-39		|	|	
X40	DATA BIT 4 IN		J12-V	|	|	
V	" " " "	J10-40		|	|	
X41	DATA BIT 8 IN		J12-W	|	|	
W	" " " "	J10-41		|	|	
2042	DATA BIT 16 IN		J12-X	|	|	
X	" " " "	J10-42		|	|	
X43	DATA BIT 32 IN		J12-Y	|	|	
Y	" " " "	J10-43		#18	BUSS	
~~Z##~~						
~~Z~~						

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* INDICATES COAX

COMPUTER IMAGE

WIRING LIST FOR

SYSTEM CAESAR

CARD TYPE DA-100B PART 1

CARD LOCATION J12 GRN2 / BLUE 2

PIN	SIGNAL	FROM	TO	WIRE SIZE	WIRE TYPE	WIRE COLOR
1	DATA BIT 2048 IN		J13-A	#18	BUSS	
A	" " " "	J11-1				
2	DATA BIT 1024 IN		J13-B			
B	" " " "	J11-2				
3	DATA BIT 512 IN		J13-C			
C	" " " "	J11-3				
4	DATA BIT 256 IN		J13-D			
D	" " " "	J11-4				
5	DATA BIT 128 IN		J13-E			
E	" " " "	J11-5				
6	DATA BIT 64 IN		J13-F			
F	" " " "	J11-6		#18	BUSS	
7						
H						
8	CHAN. 1 OUTPUT		D37-E	*	TERM. ANAL. GND	
J	" 4 "					
9						
K						
10						
L						
11						
M						
12						
N						
13						
P						
14						
R						
15						
S						
16						
T						
17						
U						
18						
V						
19	-15V			#18	BUSS	
W	-15V			#18	BUSS	
20						
X						
21	DIGITAL GND				BRAID	
Y	" "				|	
22	" "					
Z	" "				BRAID	

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COMPUTER IMAGE

WIRING LIST FOR

SYSTEM CAESAR

CARD TYPE DA-100B PART 2

CARD LOCATION J12 GRN 2 / BLUE 2

PIN	SIGNAL	FROM	TO	WIRE SIZE	WIRE TYPE	WIRE COLOR
23	+5V DIGITAL			#18	BUSS	
A	" "			|	|	
24	+15V					
B	+15V			#18	BUSS	
25						
C						
26						
D						
27	CHAN 2 OUTPUT		J37-F	* TERM ANAL GND		
E	" " "					
28						
F						
29						
H						
30						
J						
31						
K						
X32	ANALOG GND			BRAID		
L	" "			|		
X33	" "			BRAID		
M	" "					
X34	ANALOG +5V			#18	BUSS	
N	" "			|	|	
X35	JAM TRANSFER STROBE		J13-P	#18	BUSS	
P	" " "	J11-35				
X36	UPDATE CHAN 2	J40-BM				
R	" " "					
X37	UPDATE CHAN 1	J40-BN				
S	" " "					
X38	DATA BIT 1 IN		J13-T	#18	BUSS	
T	" " " "	J11-38		|	|	
X39	DATA BIT 2 IN		J13-U	|	|	
U	" " " "	J11-39		|	|	
X40	DATA BIT 4 IN		J13-V	|	|	
V	" " " "	J11-40		|	|	
X41	DATA BIT 8 IN		J13-W	|	|	
W	" " " "	J11-41		|	|	
X42	DATA BIT 16 IN		J13-X	|	|	
X	" " " "	J11-42		|	|	
X43	DATA BIT 32 IN		J13-Y	|	|	
Y	" " " "	J11-43		#18	BUSS	
~~Z##~~						
~~##~~						

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* INDICATES COAX

COMPUTER IMAGE

WIRING LIST FOR

SYSTEM CAESAR

CARD TYPE DA-100B PART 1

CARD LOCATION J13 RED 3 / GRN 3

PIN	SIGNAL	FROM	TO	WIRE SIZE	WIRE TYPE	WIRE COLOR
1	DATA BIT 2048 IN		J14-A	#18	BUSS	
A	" " " "	J12-1				
2	DATA BIT 1024 IN		J14-B			
B	" " " "	J12-2				
3	DATA BIT 512 IN		J14-C			
C	" " " "	J12-3				
4	DATA BIT 256 IN		J14-D			
D	" " " "	J12-4				
5	DATA BIT 128 IN		J14-E			
E	" " " "	J12-5				
6	DATA BIT 64 IN		J14-F			
F	" " " "	J12-6		#18	BUSS	
7						
H						
8	CHAN. 1 OUTPUT		J37-H	*	TERM. ANAL. GND	
J	" " "					
9						
K						
10						
L						
11						
M						
12						
N						
13						
P						
14						
R						
15						
S						
16						
T						
17						
U						
18						
V						
19	-15V			#18	BUSS	
W	-15V			#18	BUSS	
20						
X						
21	DIGITAL GND			BRAID		
Y	" "					
22	" "					
Z	" "			BRAID		

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* INDICATES COAX

COMPUTER IMAGE

WIRING LIST FOR

SYSTEM CAESAR

CARD TYPE DA-100A PART 2

CARD LOCATION J13 RED 3/ GRN 3

PIN	SIGNAL	FROM	TO	WIRE SIZE	WIRE TYPE	WIRE COLOR
23	+5V DIGITAL			#18	BUSS	
A	" "			|	|	
24	+15V					
B	+15V			#18	BUSS	
25						
C						
26						
D						
27	CHAN 2 OUTPUT	J37-J	J37-J	* TERM. ANAL. GND		
E	" " "					
28						
F						
29						
H						
30						
J						
31						
K						
X32	ANALOG GND			BRAID		
L	" "			|		
X33	" "			BRAID		
M	" "			#18	BUSS	
X34	ANALOG +5V			|	|	
N	" "					
X35	JAM TRANSFER STROBE		J14-E	#18	BUSS	
P	" " "	J12-35				
X36	UPDATE CHAN 2	J40-BW				
R	" " "					
X37	UPDATE CHAN 1	J40-BX				
S	" " "					
X38	DATA BIT 1 IN		J14-F	#18	BUSS	
T	" " " "	J12-38		|	|	
X39	DATA BIT 2 IN		J14-U	|	|	
U	" " " "	J12-39		|	|	
X40	DATA BIT 4 IN		J14-V	|	|	
V	" " " "	J12-40		|	|	
X41	DATA BIT 8 IN		J14-W	|	|	
W	" " " "	J12-41		|	|	
X42	DATA BIT 16 IN		J14-X	|	|	
X	" " " "	J12-42		|	|	
X43	DATA BIT 32 IN		J14-Y	|	|	
Y	" " " "	J12-43		#18	BUSS	
~~Z##~~						
~~Z~~						

NOTE: ALL WIRE #24 STRANDED WHITE UNLESS OTHERWISE SPECIFIED.

* INDICATES COAX

COMPUTER IMAGE

WIRING LIST FOR

SYSTEM CAESAR

CARD TYPE DA-100A PART 1

CARD LOCATION J14 BLUE 3 / RED 4

PIN	SIGNAL	FROM	TO	WIRE SIZE	WIRE TYPE	WIRE COLOR
1	DATA BIT 2048 IN		J15-A	#18	BUSS	
A	" " " "	J13-1				
2	DATA BIT 1024 IN		J15-B			
B	" " " "	J13-2				
3	DATA BIT 512 IN		J15-C			
C	" " " "	J13-3				
4	DATA BIT 256 IN		J15-D			
D	" " " "	J13-4				
5	DATA BIT 128 IN		J15-E			
E	" " " "	J13-5				
6	DATA BIT 64 IN		J15-F			
F	" " " "	J13-6		#18	BUSS	
7						
H						
8	CHAN. 1 OUTPUT		J37-K	*	TERM. ANAL. GND	
J	" " "					
9						
K						
10						
L						
11						
M						
12						
N						
13						
P						
14						
R						
15						
S						
16						
T						
17						
U						
18						
V						
19	-15V			#18	BUSS	
W	-15V			#18	BUSS	
20						
X						
21	DIGITAL GND			BRAID		
Y	" "					
22	" "					
Z	" "			BRAID		

NOTE: ALL WIRE #24 STRANDED WHITE UNLESS OTHERWISE SPECIFIED.

* INDICATES COAX

COMPUTER IMAGE

WIRING LIST FOR

SYSTEM CAESAR

CARD TYPE DA-100B PART 2

CARD LOCATION J14 BLUE 3/REED 4

PIN	SIGNAL	FROM	TO	WIRE SIZE	WIRE TYPE	WIRE COLOR
23	+5V DIGITAL			#18	BUSS	
A	" "			|	|	
24	+15V			|	|	
B	+15V			#18	BUSS	
25						
C						
26						
D						
27	CHAN 2 OUTPUT		J37-L	* TERM. ANAL. GND		
E	" " "					
28						
F						
29						
H						
30						
J						
31						
K						
X32	ANALOG GND			BRAID		
L	" "			|		
X33	" "			BRAID		
M	" "					
X34	ANALOG +5V			#18	BUSS	
N	" "			|	|	
X35	JAM TRANSFER STROBE		J15-P	|	|	
P	" " "	J13-35		#18	BUSS	
X36	UPDATE CHAN 2	J40-B4				
R	" " "					
X37	UPDATE CHAN 1	J40-B2				
S	" " "					
X38	DATA BIT 1 IN		J15-T	# 18	BUSS	
T	" " " "	J13-38		|	|	
X39	DATA BIT 2 IN		J15-U	|	|	
U	" " " "	J13-39		|	|	
X40	DATA BIT 4 IN		J15-V	|	|	
V	" " " "	J13-40		|	|	
X41	DATA BIT 8 IN		J15-W	|	|	
W	" " " "	J13-41		|	|	
X42	DATA BIT 16 IN		J15-X	|	|	
X	" " " "	J13-42		|	|	
X43	DATA BIT 32 IN		J15-Y	|	|	
Y	" " " "	J13-43		#18	BUSS	
~~Z##~~						
~~##~~						

NOTE: ALL WIRE #24 STRANDED WHITE UNLESS OTHERWISE SPECIFIED.
* INDICATES COAX

COMPUTER IMAGE

WIRING LIST FOR

SYSTEM CAESAR

CARD TYPE DA-100B PART 1

CARD LOCATION J15 GRN 4 / BLUE 4

PIN	SIGNAL	FROM	TO	WIRE SIZE	WIRE TYPE	WIRE COLOR
1	DATA BIT 2048 IN		J16-A	#18	BUSS	
A	" " " "	J14-1				
2	DATA BIT 1024 IN		J16-B			
B	" " " "	J14-2				
3	DATA BIT 512 IN		J16-C			
C	" " " "	J14-3				
4	DATA BIT 256 IN		J16-D			
D	" " " "	J14-4				
5	DATA BIT 128 IN		J16-E			
E	" " " "	J14-5				
6	DATA BIT 64 IN		J16-F			
F	" " " "	J14-6		#18	BUSS	
7						
H						
8	CHAN. 1 OUTPUT		J37-M	*	TERM. ANAL.	GND
J	" " "					
9						
K						
10						
L						
11						
M						
12						
N						
13						
P						
14						
R						
15						
S						
16						
T						
17						
U						
18						
V						
19	-15V			#18	BUSS	
W	-15V			#18	BUSS	
20						
X						
21	DIGITAL GND			BRAID		
Y	" "					
22	" "					
Z	" "			BRAID		

NOTE: ALL WIRE #24 STRANDED WHITE UNLESS OTHERWISE SPECIFIED.
* INDICATES COAX

COMPUTER IMAGE

WIRING LIST FOR

SYSTEM CAESAR

CARD TYPE DA-100B PART 2

CARD LOCATION J15 GRN 4/ BLUE 4

PIN	SIGNAL	FROM	TO	WIRE SIZE	WIRE TYPE	WIRE COLOR
23	+5V DIGITAL			# 18	BUSS	
A	" "			|	|	
24	+15 V			|	|	
B	+15 V			#18	BUSS	
25						
C						
26						
D						
27	CHAN 2 OUTPUT	J37-T	J37-N	* TERM ANAL. GND		
E	" " "					
28						
F						
29						
H						
30						
J						
31						
K						
X32	ANALOG GND			BRAID		
L	" "			|		
X33	" "			BRAID		
M	" "					
X34	ANALOG +5 V			# 18	BUSS	
N	" "			|	|	
X35	JAM TRANSFER STROBE		J16-P	|	|	
P	" " "	J14-35		#18	BUSS	
X36	UPDATE CHAN 2	J40-CH				
R	" " "					
X37	UPDATE CHAN 1	J40-CJ				
S	" " "					
X38	DATA BIT 1 IN		J16-T	# 18	BUSS	
T	" " " "	J14-38		|	|	
X39	DATA BIT 2 IN		J16-U	|	|	
U	" " " "	J14-39		|	|	
X40	DATA BIT 4 IN		J16-V	|	|	
V	" " " "	J14-40		|	|	
X41	DATA BIT 8 IN		J16-W	|	|	
W	" " " "	J14-41		|	|	
X42	DATA BIT 16 IN		J16-X	|	|	
X	" " " "	J14-42		|	|	
X43	DATA BIT 32 IN		J16-Y	|	|	
Y	" " " "	J14-43		#18	BUSS	
~~Z##~~						
~~Z~~						

NOTE: ALL WIRE #24 STRANDED WHITE UNLESS OTHERWISE SPECIFIED.
* INDICATES COAX

COMPUTER IMAGE

WIRING LIST FOR

SYSTEM CAESAR

CARD TYPE DA-100B PART 1

CARD LOCATION J16 RED 5/ ORN 5

PIN	SIGNAL	FROM	TO	WIRE SIZE	WIRE TYPE	WIRE COLOR
1	DATA BIT 2048 IN		J17-A	#18	BUSS	
A	" " " "	J15-1				
2	DATA BIT 1024 IN		J17-B			
B	" " " "	J15-2				
3	DATA BIT 512 IN		J17-C			
C	" " " "	J15-3				
4	DATA BIT 256 IN		J17-D			
D	" " " "	J15-4				
5	DATA BIT 128 IN		J17-E			
E	" " " "	J15-5				
6	DATA BIT 64 IN		J17-F			
F	" " " "	J15-6		#18	BUSS	
7						
H						
8	CHAN. 1 OUTPUT		J37-P	*	TERM. ANAL. GND.	
J	" " "					
9						
K						
10						
L						
11						
M						
12						
N						
13						
P						
14						
R						
15						
S						
16						
T						
17						
U						
18						
V						
19	-15V			#18	BUSS	
W	-15V			#18	BUSS	
20						
X						
21	DIGITAL GND			BRAID		
Y	" "				|	
22	" "					
Z	" "			BRAID		

NOTE: ALL WIRE #24 STRANDED WHITE UNLESS OTHERWISE SPECIFIED.

* INDICATES COAX

COMPUTER IMAGE

WIRING LIST FOR

SYSTEM CAESAR

CARD TYPE DA-100B PART 2

CARD LOCATION J16 RED 5/GRN 5

PIN	SIGNAL	FROM	TO	WIRE SIZE	WIRE TYPE	WIRE COLOR
23	+5V DIGITAL			#18	BUSS	
A	" "					
24	+15V			#18	BUSS	
B	+15V					
25						
C						
26						
D						
27	CHAN 2 OUTPUT		J37-R	*	TERM. ANAL. GND	
E	" " "					
28						
F						
29						
H						
30						
J						
31						
K						
X32	ANALOG GND			BRAID		
L	" "					
X33	" "			BRAID		
M	" "					
X34	ANALOG +5V			#18	BUSS	
N	" "					
X35	JAM TRANSFER STROBE		J17-P	#18	BUSS	
P	" " "	J15-35				
X36	UPDATE CHAN 2	J40-CB				
R	" " "					
X37	UPDATE CHAN 1	J40-CC				
S	" " "					
X38	DATA BIT 1 IN		J17-T	#18	BUSS	
T	" " " "	J15-38				
X39	DATA BIT 2 IN		J17-U			
U	" " " "	J15-39				
X40	DATA BIT 4 IN		J17-V			
V	" " " "	J15-40				
X41	DATA BIT 8 IN		J17-W			
W	" " " "	J15-41				
X42	DATA BIT 16 IN		J17-X			
X	" " " "	J15-42				
X43	DATA BIT 32 IN		J17-Y			
Y	" " " "	J15-43		#18	BUSS	
~~Z~~						
~~Z~~						

NOTE: ALL WIRE #24 STRANDED WHITE UNLESS OTHERWISE SPECIFIED.

* INDICATES COAX

COMPUTER IMAGE

WIRING LIST FOR

SYSTEM CAESAR

CARD TYPE DA-100B PART 1

CARD LOCATION J17 BLUE 5/SPARE

PIN	SIGNAL	FROM	TO	WIRE SIZE	WIRE TYPE	WIRE COLOR
1	DATA BIT 2048 IN			#18	BUSS	
A	" " " "	J16-1				
2	DATA BIT 1024 IN					
B	" " " "	J16-2				
3	DATA BIT 512 IN					
C	" " " "	J16-3				
4	DATA BIT 256 IN					
D	" " " "	J16-4				
5	DATA BIT 128 IN					
E	" " " "	J16-5				
6	DATA BIT 64 IN					
F	" " " "	J16-6		#18	BUSS	
7						
H						
8	CHAN. 1 OUTPUT		J37-S	*	TERM. ANAL. GND.	
J	" " "					
9						
K						
10						
L						
11						
M						
12						
N						
13						
P						
14						
R						
15						
S						
16						
T						
17						
U						
18						
V						
19	-15V			#18	BUSS	
W	-15V			#18	BUSS	
20						
X						
21	DIGITAL GND			BRAID		
Y	" "					
22	" "					
Z	" "			BRAID		

NOTE: ALL WIRE #24 STRANDED WHITE UNLESS OTHERWISE SPECIFIED.
* INDICATES COAX

COMPUTER IMAGE

WIRING LIST FOR

SYSTEM CAESAR

CARD TYPE DA-100B PART 2

CARD LOCATION J17 BLUE 5/SPARE

PIN	SIGNAL	FROM	TO	WIRE SIZE	WIRE TYPE	WIRE COLOR
23	+5V DIGITAL			#18	BUSS	
A	" "					
24	+15V					
B	+15V			#18	BUSS	
25						
C						
26						
D						
27	CHAN 2 OUTPUT		J37-T	* TERM. ANAL. GND		
E	" " "					
28						
F						
29						
H						
30						
J						
31						
K						
X32	ANALOG GND			BRAID		
L	" "					
X33	" "					
M	" "			BRAID		
X34	ANALOG +5V			#18	BUSS	
N	" "					
X35	JAM TRANSFER STROBE					
P	" " "	J16-35		#18	BUSS	
X36	UPDATE CHAN 2	J40-CL				
R	" " "					
X37	UPDATE CHAN 1	J40-CM				
S	" " "					
X38	DATA BIT 1 IN	J16-38		# 18	BUSS	
T	" " " "					
X39	DATA BIT 2 IN	J16-39				
U	" " " "					
X40	DATA BIT 4 IN	J16-40				
V	" " " "					
X41	DATA BIT 8 IN	J16-41				
W	" " " "					
X42	DATA BIT 16 IN	J16-42				
X	" " " "					
X43	DATA BIT 32 IN	J16-43				
Y	" " " "			#18	BUSS	
~~Z~~						
~~Z~~						

NOTE: ALL WIRE #24 STRANDED WHITE UNLESS OTHERWISE SPECIFIED.

* INDICATES COAX

COMPUTER IMAGE

WIRING LIST FOR

SYSTEM CAESAR

CONNECTOR ~~CARD~~ TYPE CANON # KPTOZE16-8P

CARD LOCATION J35 POWER

PIN	SIGNAL	FROM	TO	WIRE SIZE	WIRE TYPE	WIRE COLOR
1						
A	+15V			#16		RED
2						
B	-15V			#16		GRN
3						
C	ANALOG GROUND			#16		BLK
4						
D	DIGITAL GROUND			} BRAID		
5						
E	DIGITAL GROUND					
6						
F	ANALOG +5V			#16		?
~~7G~~	DIGITAL +5V			#16		BLUE
H						
8						
J						
9						
K						
10						
L						
11						
M						
12						
N						
13						
P						
14						
R						
15						
S						
16						
T						
17						
U						
18						
V						
19						
W						
20						
X						
21						
Y						
22						
Z						

NOTE: ALL WIRE #24 STRANDED WHITE UNLESS OTHERWISE SPECIFIED.
* INDICATES COAX

COMPUTER IMAGE

WIRING LIST FOR

SYSTEM CAESAR

CARD TYPE BURNDY (COAX) # MS26RM-1C

CARD LOCATION J36 (TO CPU)

PIN	SIGNAL	FROM	TO	WIRE SIZE	WIRE TYPE	WIRE COLOR
1						
A	OVERALL X	J1-B		*		
2						
B	OVERALL Y	J1-27		*		
3						
C	~~Dx~~	J3-B		*		
4						
D	X POSITION	J2-B		*		
5						
E	Y POSITION	J2-27		*		
6						
F	Dy	J9-27		*		
7						
H	SINE Θ	J3-27		*		
8						
J	COSINE Θ	J4-B		*		
9						
K	HORIZ AXIS	J4-27		*		
10						
L	VERT. AXIS	J5-B		*		
11						
M	HORIZ SIZE	J5-27		*		INS. FROM CHASSIS
12						
N	VERT. SIZE	BNC-6		*		INS. FROM CHASSIS
13						
P	INTENSITY	J6-27		*		
14						
R	BLANKING START	J7-B		*		
15						
S	BLANKING STOP	J7-27		*		
16						
T	WFG 1 (DEPTH)	J8-B		*		
17						
U	WFG 2 (VERT)	BNC-7		*		INS. FROM CHASSIS
18						
V	WFG 3 (HORIZ)	BNC-8		*		INS. FROM CHASSIS
19						
W	SPARE	J7-27		*		
20						
X						
21						
Y						
22						
Z						

NOTE: ALL WIRE #24 STRANDED WHITE UNLESS OTHERWISE SPECIFIED.
* INDICATES COAX

COMPUTER IMAGE

WIRING LIST FOR

SYSTEM CAESAR

CONNECTOR ~~CARD~~ TYPE BURNDY COAX # MS26RM-1C

CARD LOCATION J37 (TO COLORIZER)

PIN	SIGNAL	FROM	TO	WIRE SIZE	WIRE TYPE	WIRE COLOR
1						
A	RED 1	J10-B		*		
2						
B	GREEN 1	J10-27		*		
3						
C	BLUE 1	J11-B		*		
4						
D	RED 2	J11-27		*		
5						
E	GREEN 2	J12-B		*		
6						
F	BLUE 2	J12-27		*		
7						
H	RED 3	J13-B		*		
8						
J	GREEN 3	J13-27		*		
9						
K	BLUE 3	J14-B		*		
10						
L	RED 4	J14-27		*		
11						
M	GREEN 4	J15-B		*		
12						
N	BLUE 4	J15-27		*		
13						
P	RED 5	J16-B		*		
14						
R	GREEN 5	J16-27		*		
15						
S	BLUE 5	J17-B		*		
16						
T	SPARE	J17-27		*		
17						
U						
18						
V						
19						
W						
20						
X						
21						
Y						
22						
Z						

NOTE: ALL WIRE #24 STRANDED WHITE UNLESS OTHERWISE SPECIFIED.
* INDICATES COAX

COMPUTER IMAGE

WIRING LIST FOR

SYSTEM CAESAR

CONNECTOR ~~CARD~~ TYPE ELCO # 8016

CARD LOCATION J40 (40 INTERFACE)

PIN	SIGNAL	FROM	TO	WIRE SIZE	WIRE TYPE	WIRE COLOR
1						
A	GROUND			H, J		
2						
B	UPDATE CHAN 2	J1-36				
3					GROUND	K
C	UPDATE CHAN 1	J1-37				
4						
D	GROUND			L, M		
5						
E	OTB 07	J1-3				
6					GROUND	N
F	OTB 08	J1-4				
7						
H	JAM TRANSFER	J1-35				
8					GROUND	A
J						
9						
K	GROUND			B, C		
10						
L	OTB 05	J1-1				
11					GROUND	D
M	OTB 06	J1-2				
12						
N	GROUND			E, F		
13						
P						
14						
R	GROUND			X, Y		
15						
S	OTB 11	J1-43				
16					GROUND	Z
T	OTB 12	J1-42				
17						
U	GROUND			AA, AB		
18						
V	OTB 15	J1-39				
19					GROUND	AC
W	OTB 16	J1-38				
20						
X	OTB 09	J1-5				
21					GROUND	R
Y	OTB 10	J1-6				
22						
Z	GROUND			S, T		

NOTE: ALL WIRE #24 STRANDED WHITE UNLESS OTHERWISE SPECIFIED.
* INDICATES COAX

COMPUTER IMAGE

WIRING LIST FOR

SYSTEM CAESAR

CONNECTOR ~~CARD~~ TYPE ELCO # 8016

CARD LOCATION 040 (PART 2)

PIN	SIGNAL	FROM	TO	WIRE SIZE TYPE COLOR
1				
AA	OTB 13	J1-41		
2				
AB	OTB 14	J1-40		GROUND U
3				
AC	GROUND			V, W
4				
AD				
5				
AE	GROUND			AM, AN
6				
AF	UPDATE CHAN 6	J3-36		GROUND AP
7				
AH	UPDATE CHAN 5	J3-37		
8				
AJ	GROUND			AR, AS
9				
AK	UPDATE CHAN 10	J5-36		GROUND AT
10				
AL	UPDATE CHAN 9	J5-37		
11				
AM	UPDATE CHAN 4	J2-36		GROUND AE
12				
AN	UPDATE CHAN 3	J2-37		
13				
AP	GROUND			AF, AH
14				
AR	UPDATE CHAN 8	J4-36		GROUND AJ
15				
AS	UPDATE CHAN 7	J4-37		
16				
AT	GROUND			AK, AL
17				
AU				
18				
AV	UPDATE CHAN 12	J6-36		GROUND AZ
19				
AW	UPDATE CHAN 14	J7-36		GROUND BA
20				
AX	UPDATE CHAN 16	J8-36		GROUND BB
21				
AY	UPDATE CHAN 18	J9-36		GROUND BC
22				
AZ	GROUND			AV, BD

NOTE: ALL WIRE #24 STRANDED WHITE UNLESS OTHERWISE SPECIFIED.
* INDICATES COAX

COMPUTER IMAGE

WIRING LIST FOR

SYSTEM CAESAR

CONNECTOR CARD TYPE ELCO #8016

CARD LOCATION J40 (PART 3)

PIN	SIGNAL	FROM	TO	WIRE SIZE	WIRE TYPE	WIRE COLOR
1						
BA	GROUND			AW, BE		
2						
BB	GROUND	J1-40		AX, BF		
3						
BC	GROUND			AY, BH		
4						
BD	UPDATE CHAN 11	J6-37		GROUND AZ		
5						
BE	UPDATE CHAN 13	J7-37		GROUND BA		
6						
BF	UPDATE CHAN 15	J8-37		GROUND BB		
7						
BH	UPDATE CHAN 17	J9-37		GROUND BC		
8						
BJ	UPDATE CHAN 20	J10-36		GROUND BS		
9						
BK	UPDATE CHAN A	J10-37				
10						
BL	GROUND			BT, BU		
11						
BM	UPDATE CHAN 24	J12-36		GROUND BV		
12						
BN	UPDATE CHAN 23	J12-37				
13						
BP	GROUND			BW, BX		
14						
BR						
15						
BS	GROUND			BU, BK		
16						
BT	UPDATE CHAN 22	J11-36		GROUND BL		
17						
BU	UPDATE CHAN 21	J11-37				
18						
BV	GROUND			BM, BN		
19						
BW	UPDATE CHAN 26	J13-36		GROUND BP		
20						
BX	UPDATE CHAN 25	J13-37				
21						
BY	UPDATE CHAN 28	J14-36		GROUND CF		
22						
BZ	UPDATE CHAN 27	J14-37				

NOTE: ALL WIRE #24 STRANDED WHITE UNLESS OTHERWISE SPECIFIED.
* INDICATES COAX

COMPUTER IMAGE

WIRING LIST FOR

SYSTEM CAESAR

CONNECTOR ~~CARD~~ TYPE ELCO #8016

CARD LOCATION U40 (PART 4)

PIN	SIGNAL	FROM	TO	WIRE SIZE	WIRE TYPE	WIRE COLOR
1						
CA	GROUND			CH, CJ		
2						
CB	UPDATE CHAN 32	J16-36		} GROUND CK		
3						
CC	UPDATE CHAN 31	J16-37				
4						
CD	GROUND	CL	CM	CL, CM		
5						
CE						
6						
CF	GROUND			BY, BZ		
7						
CH	UPDATE CHAN 30	J15-36		} GROUND CA		
8						
CJ	UPDATE CHAN 29	J15-37				
9						
CK	GROUND			CB, CC		
10						
CL	UPDATE CHAN 34	J17-36		} GROUND CD		
11						
CM	UPDATE CHAN 33	J17-37				
12						
CN						
13						
CP						
14						
CR						
15						
CS						
16						
CT						
17						
CU						
18						
CV						
19						
CW						
20						
CX						
21						
CY						
22						
CZ						

NOTE: ALL WIRE #24 STRANDED WHITE UNLESS OTHERWISE SPECIFIED.
* INDICATES COAX